

What Is Claimed Is:

1. An internet protocol (IP) interfacing apparatus for controlling predetermined target devices for non IP-based networks with other predetermined target devices for IP-based networks, comprising:

5 a dynamic home page assisting section for processing a dynamic homepage by collecting information on said predetermined target devices for non IP-based networks and assisting in construction of a dynamic web server; and

10 a function control converting section for converting a function control demand by one of said IP-based networks to a function control command for one of said non IP-based networks by converting a predetermined function selected in at least one of said IP-based networks to a control command in at least one of said non IP-based networks .

2. The IP interfacing apparatus of claim 1, wherein said dynamic home page assisting section assists in processing said dynamic home page by assisting in construction of said dynamic web server after collecting information on said non IP-based network target devices through a function control protocol.

5 3. The IP interfacing apparatus of claim 1, wherein said dynamic home page assisting section assists in processing said dynamic home page by assisting in construction of said dynamic web server after collecting

information on said non IP-based network devices through an interoperation
5 protocol.

4. The IP interfacing apparatus of claim 1, wherein said IP-based networks are accessible over the internet, and said non IP-based networks have a protocol standardized for controlling functions between devices.

5. The IP interfacing apparatus of claim 4, wherein said protocol is standardized in such a way that information is provided, said information includes functions of the target devices in said non IP-based networks.

6. The IP interfacing apparatus of claim 3, wherein said interoperation protocol applicable to said non IP-based networks is HAVI based on an IEEE1394 interface.

7. A method for controlling non IP-based network target devices in an IP interfacing apparatus that assists in processing a dynamic home page in accordance with assistance in construction of a dynamic web server, by collecting information on predetermined target devices for non IP-based
5 networks, and converting a function control demand by an IP-based network to a function control command for a non IP-based network by converting a predetermined function selected in at least one of a plurality of IP-based networks to a control command in at least one of the non IP-based networks, said method comprising:

10 a first step of initializing between said IP interfacing apparatus and one of the non IP-based network target devices;

a second step of demanding information from a node by said IP interfacing apparatus, and collecting information from said node when one of said target devices responds thereto;

15 a third step of constructing a home page which can provide functions of said target devices based on the collected information from said node if said target devices are found to be predetermined devices;

a fourth step of connecting a control device of said at least one of said plurality of IP-based network to said home page so that said control device 20 accesses and controls at least one of said target devices;

a fifth step of controlling said at least one of said target devices of said non IP-based networks by converting the command from said control device to the control command relevant to said at least one of said target devices and receiving a response from said at least one of said target devices; and

25 a sixth step of performing an operation in accordance with said converted control command relevant to said at least one of said target devices.

8. The method of claim 7, further comprising a step of exchanging information on regulation of HAVi pertinent to a particular function as demanded between said predetermined non IP-based network target devices when said control device of said IP-based networks requests control of a 5 particular function through the constructed home page.